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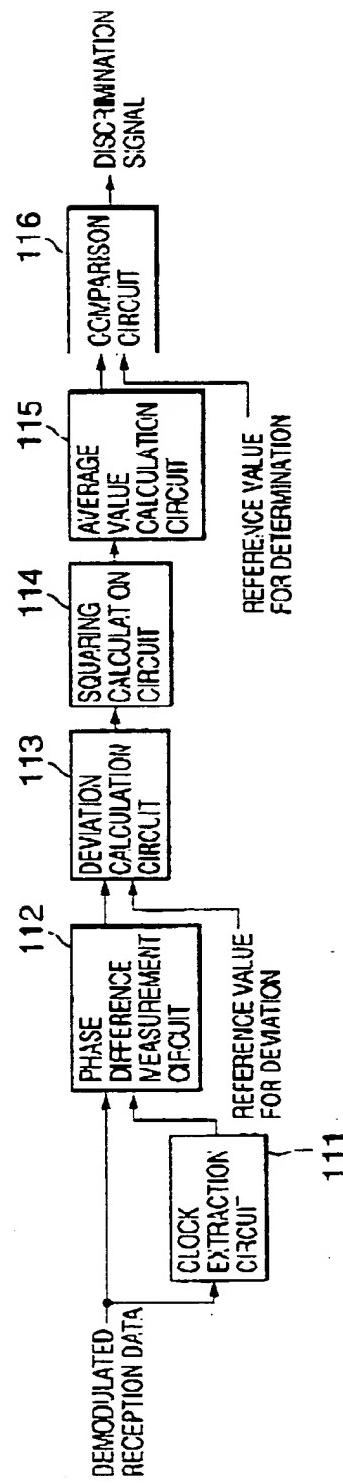


FIG. 1 PRIOR ART

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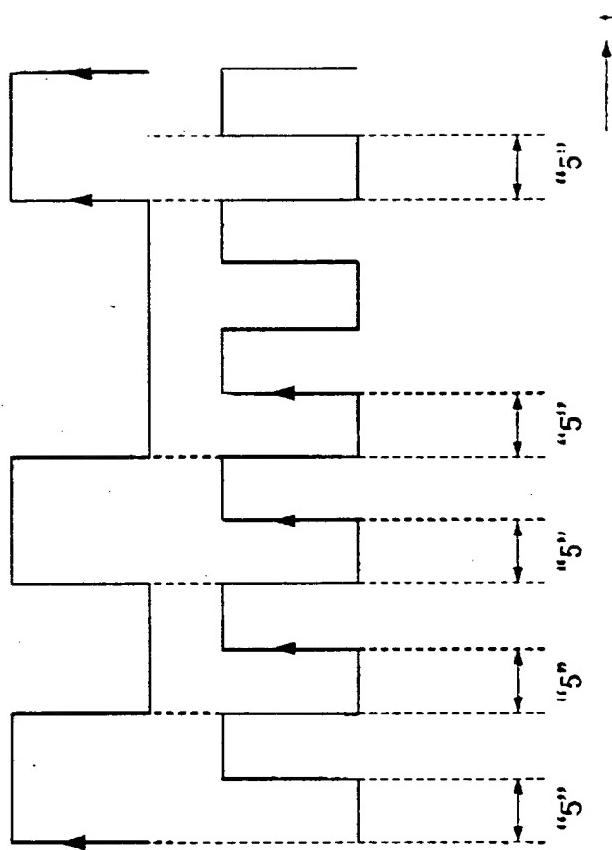


FIG. 2A
PRIOR ART

FIG. 2B
PRIOR ART

FIG. 2C
PRIOR ART

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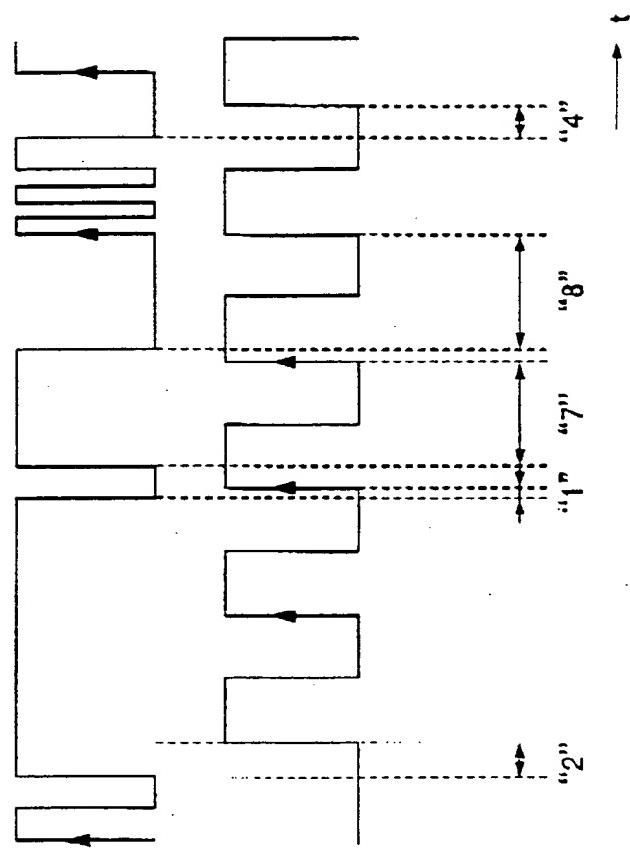


FIG. 3A
PRIOR ART

FIG. 3B
PRIOR ART

FIG. 3C
PRIOR ART

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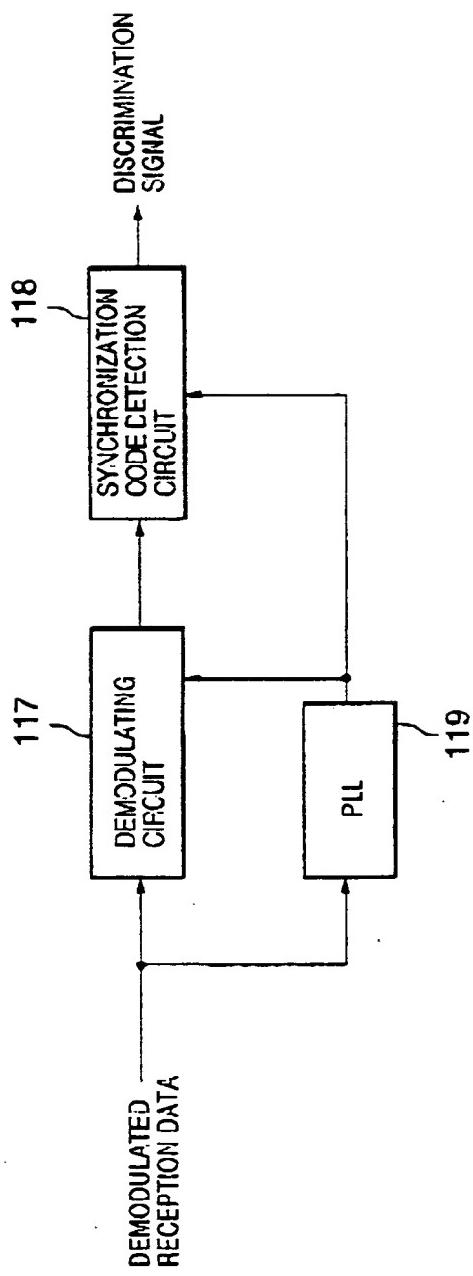


FIG. 4 PRIOR ART

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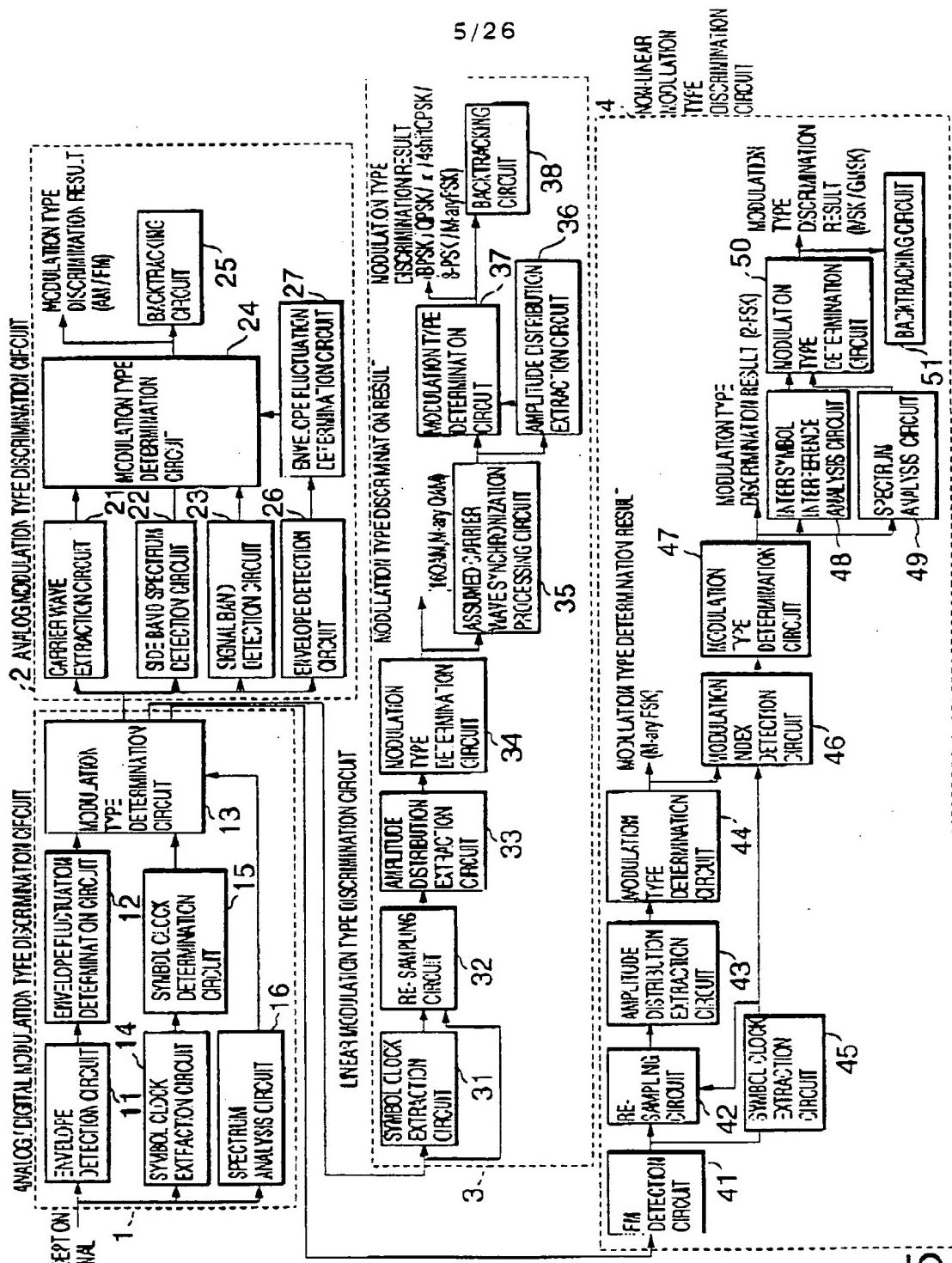


FIG. 5

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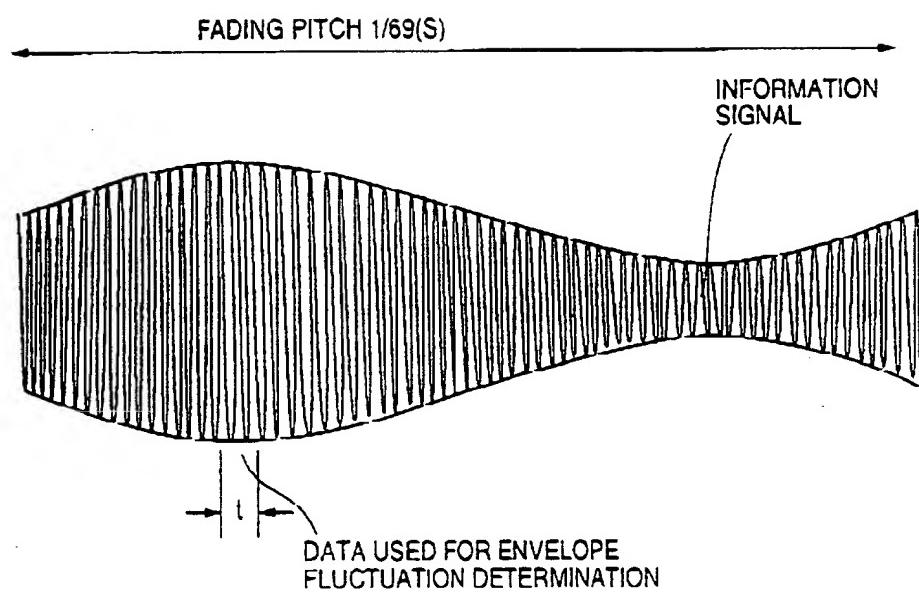


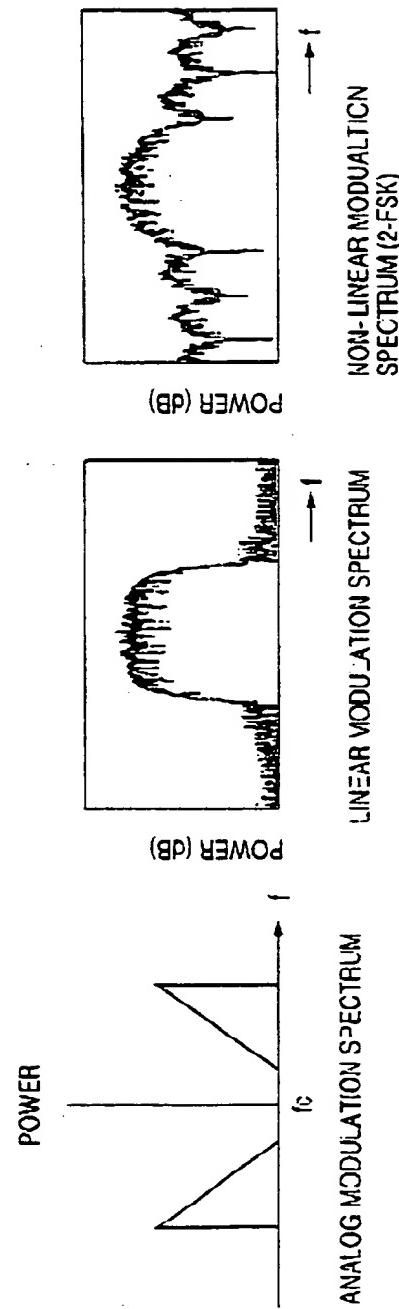
FIG. 6

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CHARACTERISTIC	OBJECT	ANALOG MODULATION TYPE	DIGITAL LINEAR MODULATION TYPE	DIGITAL NON-LINEAR MODULATION TYPE	REMARK
EXISTENCE/ NONEXISTENCE OF SYMBOL CLOCK		0	1	1	EXISTENCE:1 NON- EXISTENCE: 0
ENVELOPE FLUCTUATION	AM-1 FM-0		1	0	EXISTENCE:1 NON- EXISTENCE:0
SPECTRUM SHAPE	(AM) TWO SIDE BAND SPECTRUMS SYMMETRICAL ABOUT CARRIER WAVE SPECTRUM	BAND RESTRICTION TYPE SPECTRUM SPECTRUM SHARPLY ATTENUATES	SPECTRUM EXISTS OVER WIDE BAND SPECTRUM ATTENUATES ACCOMPANYING WITH DETUNING OF FREQUENCY		

FIG. 7

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CHARACTERISTIC OBJECT	AM	FM	REMARK
EXISTENCE / NON-EXISTENCE OF CARRIER WAVE SPECTRUM	1	—	EXISTENCE:1 NON-EXISTENCE:0
EXISTENCE / NON-EXISTENCE OF SYMMETRY OF SPECTRUM	1	0	EXISTENCE:1 NON-EXISTENCE:0
SIGNAL BAND WIDTH	0	1	EXCLUDING NARROW BAND FM, DIFFUSION SPECTRUM:1 NON-DIFFUSION SPECTRUM:0
ENVELOPE FLUCTUATION	1	0	EXISTENCE:1 NON-EXISTENCE:0

FIG. 9

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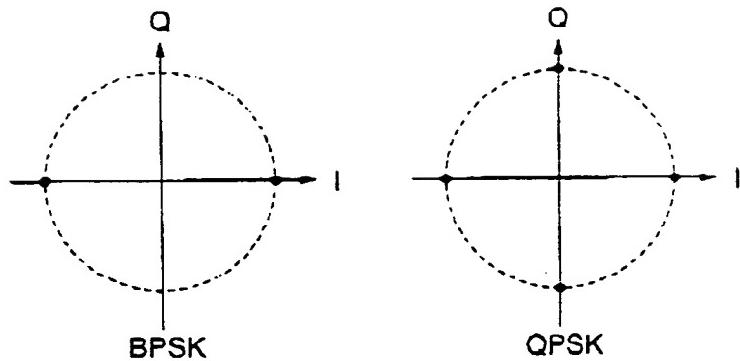


FIG. 10A

FIG. 10B

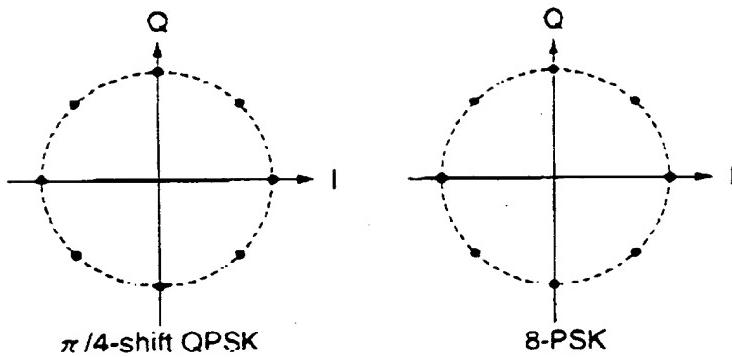


FIG. 10C

FIG. 10D

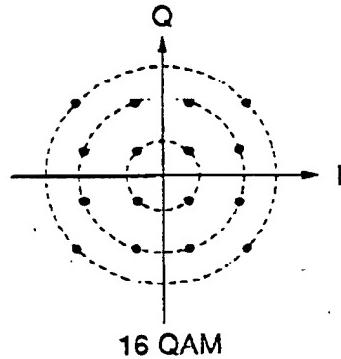
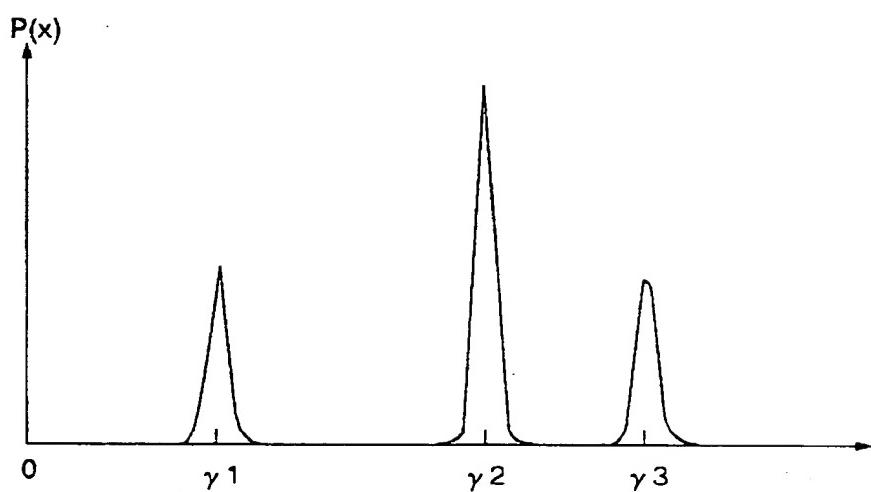


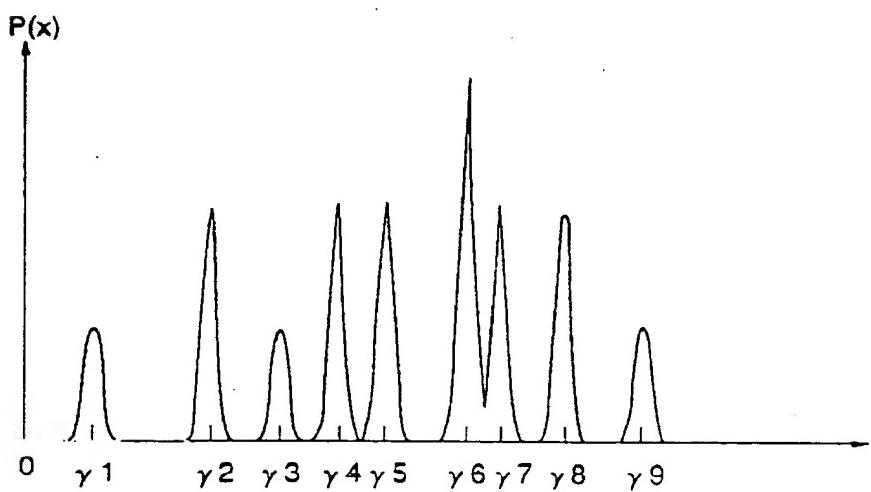
FIG. 10E

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16QAM

FIG. 11A



64QAM

FIG. 11B

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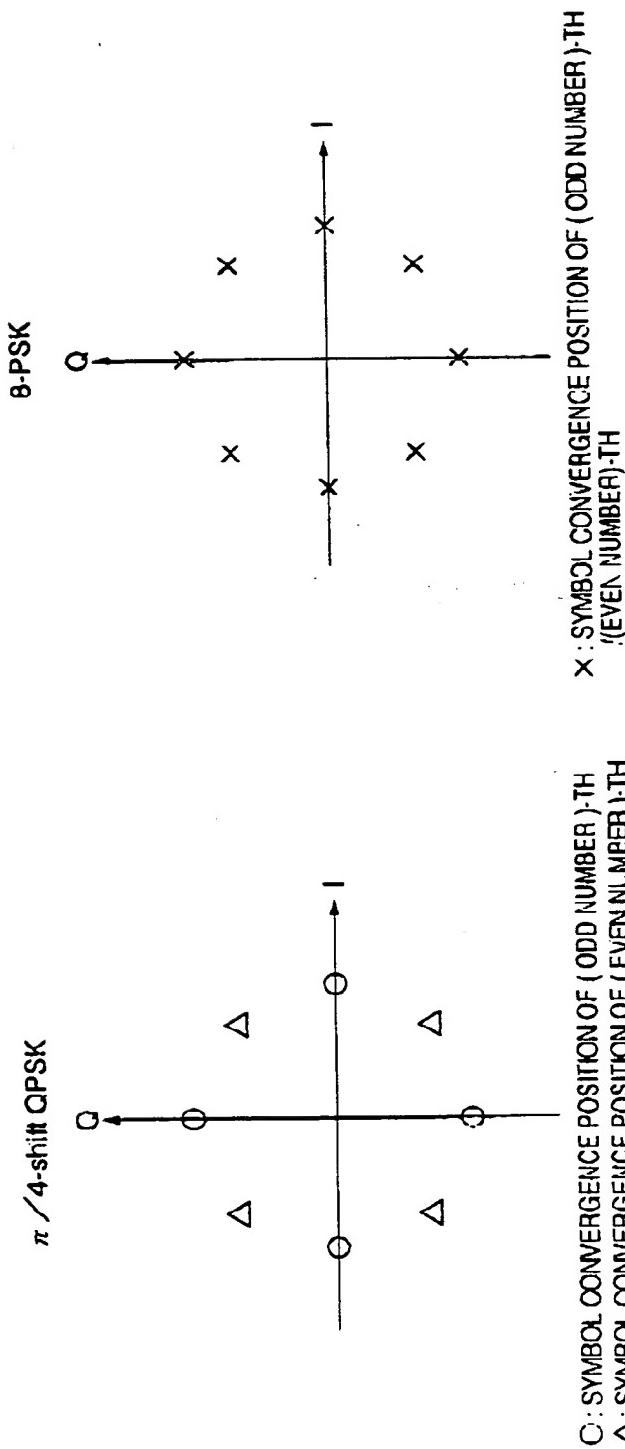


FIG. 12A

FIG. 12B

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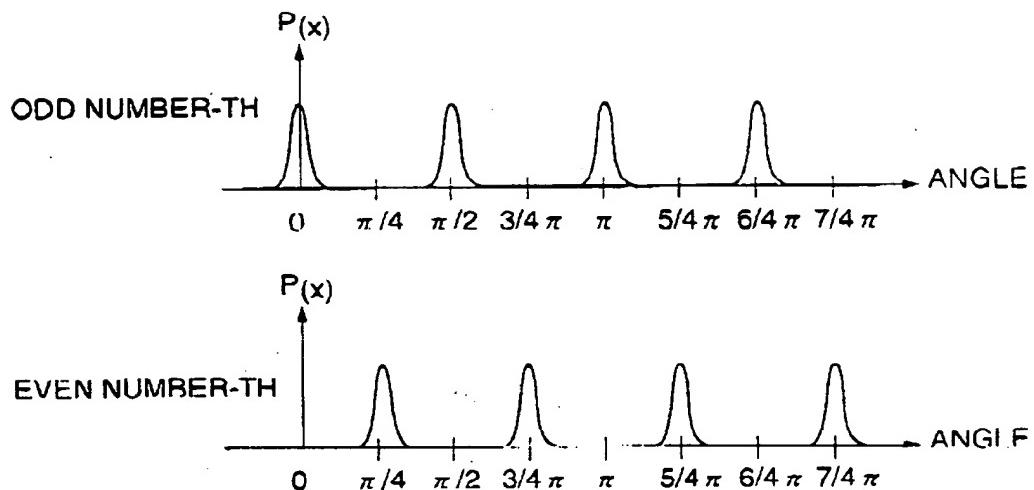
 $\pi/4$ -shift QPSK

FIG. 13A

8-PSK

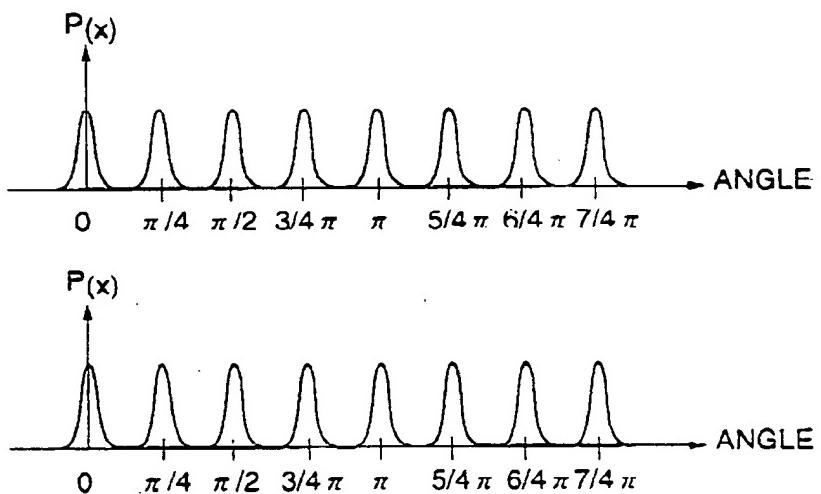


FIG. 13B

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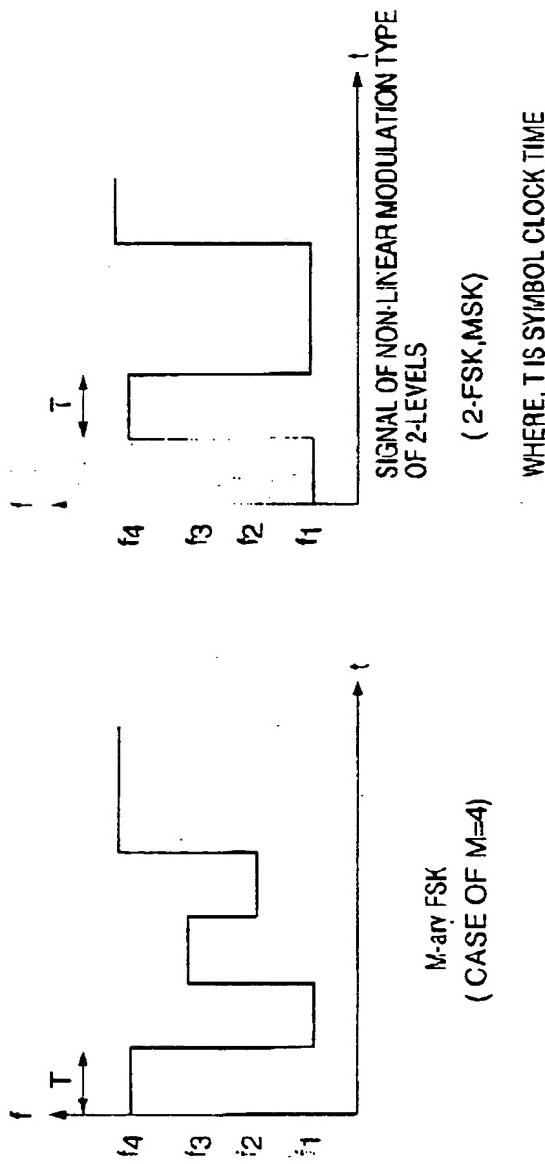


FIG. 14B

FIG. 14A

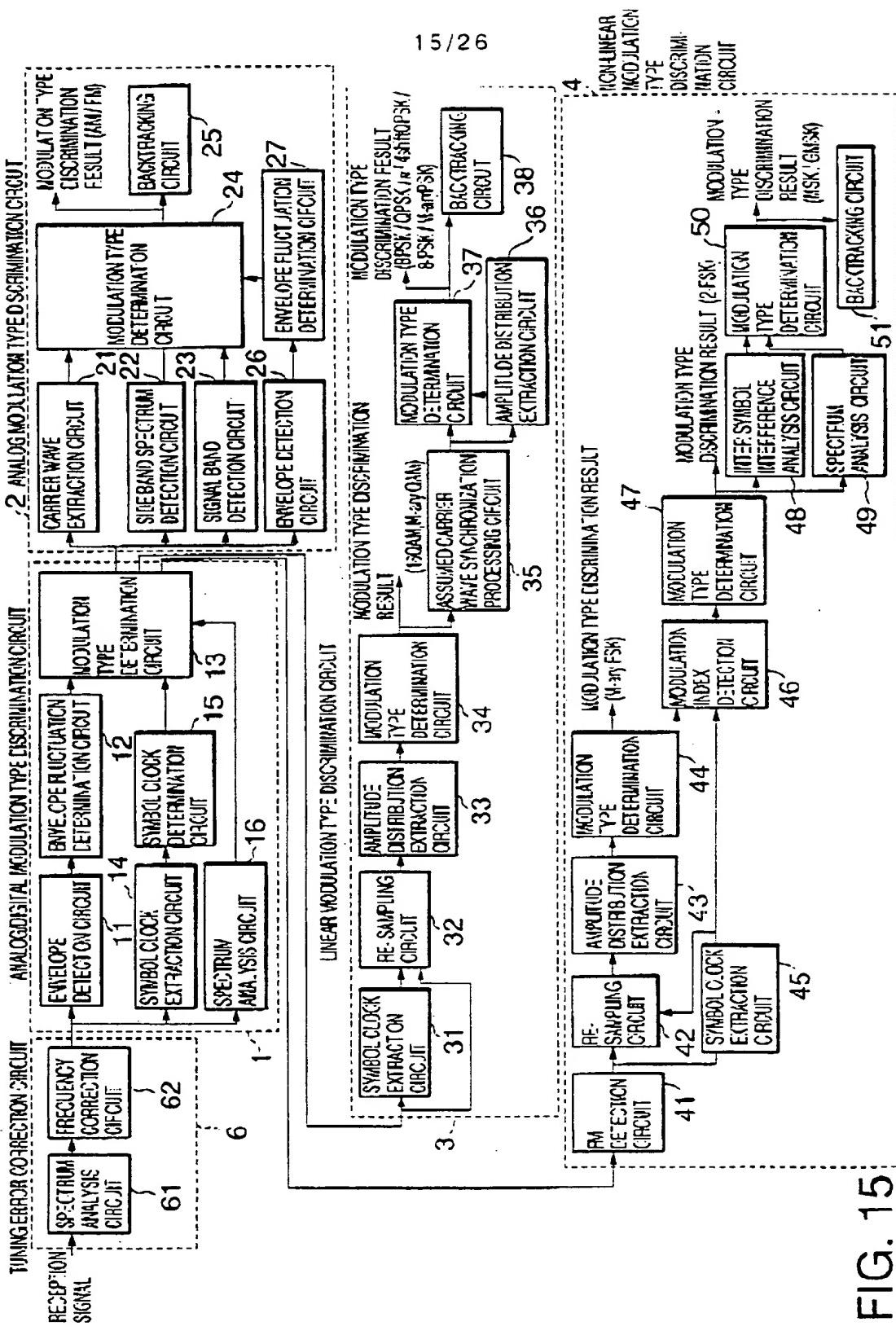
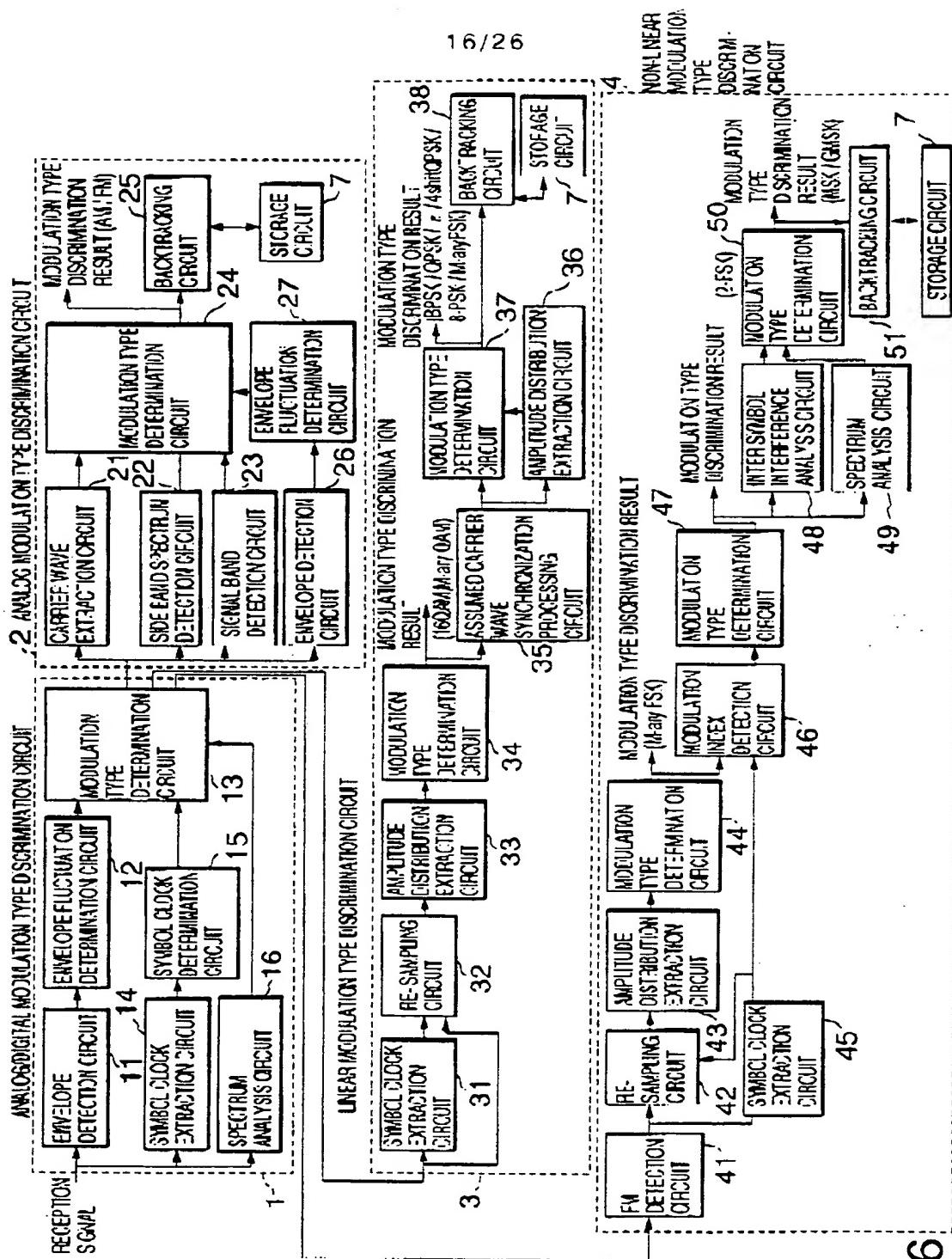


FIG. 15



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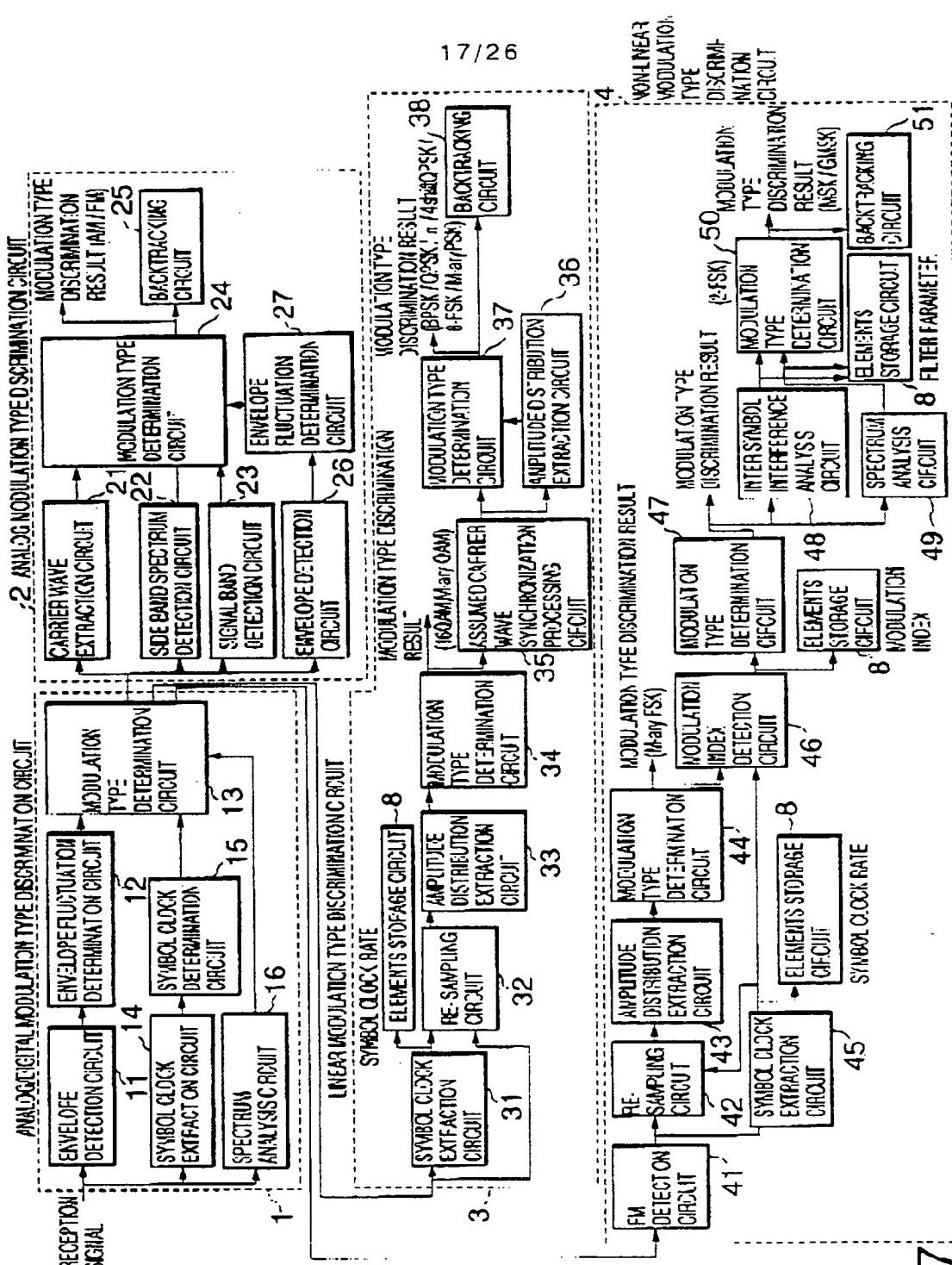


FIG. 17

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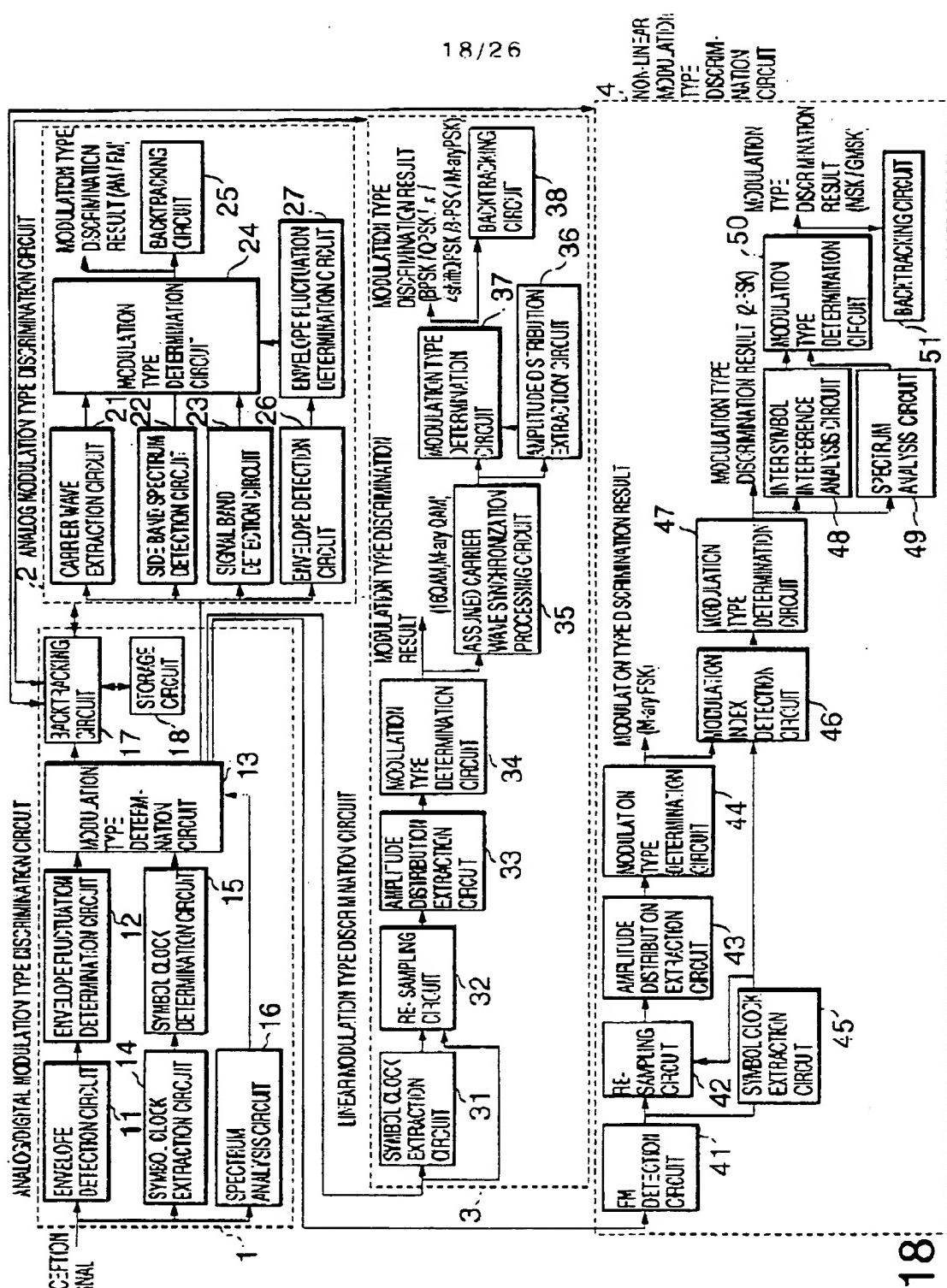


FIG. 18

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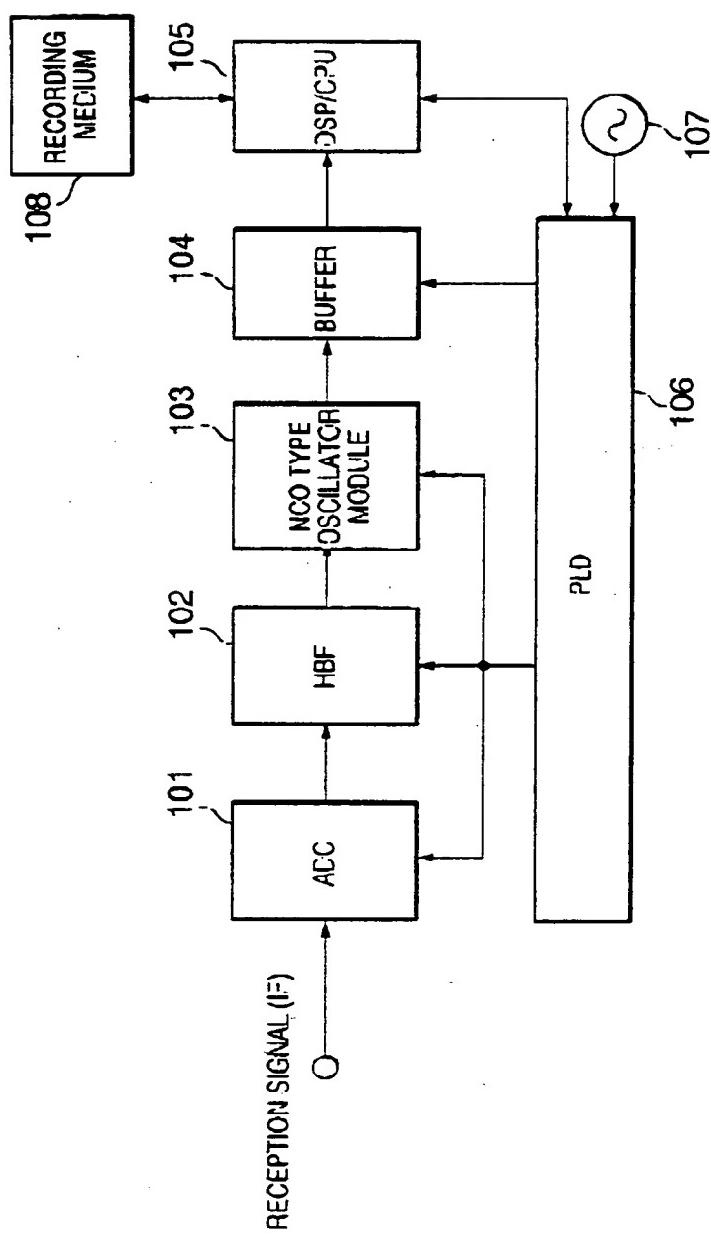


FIG. 19

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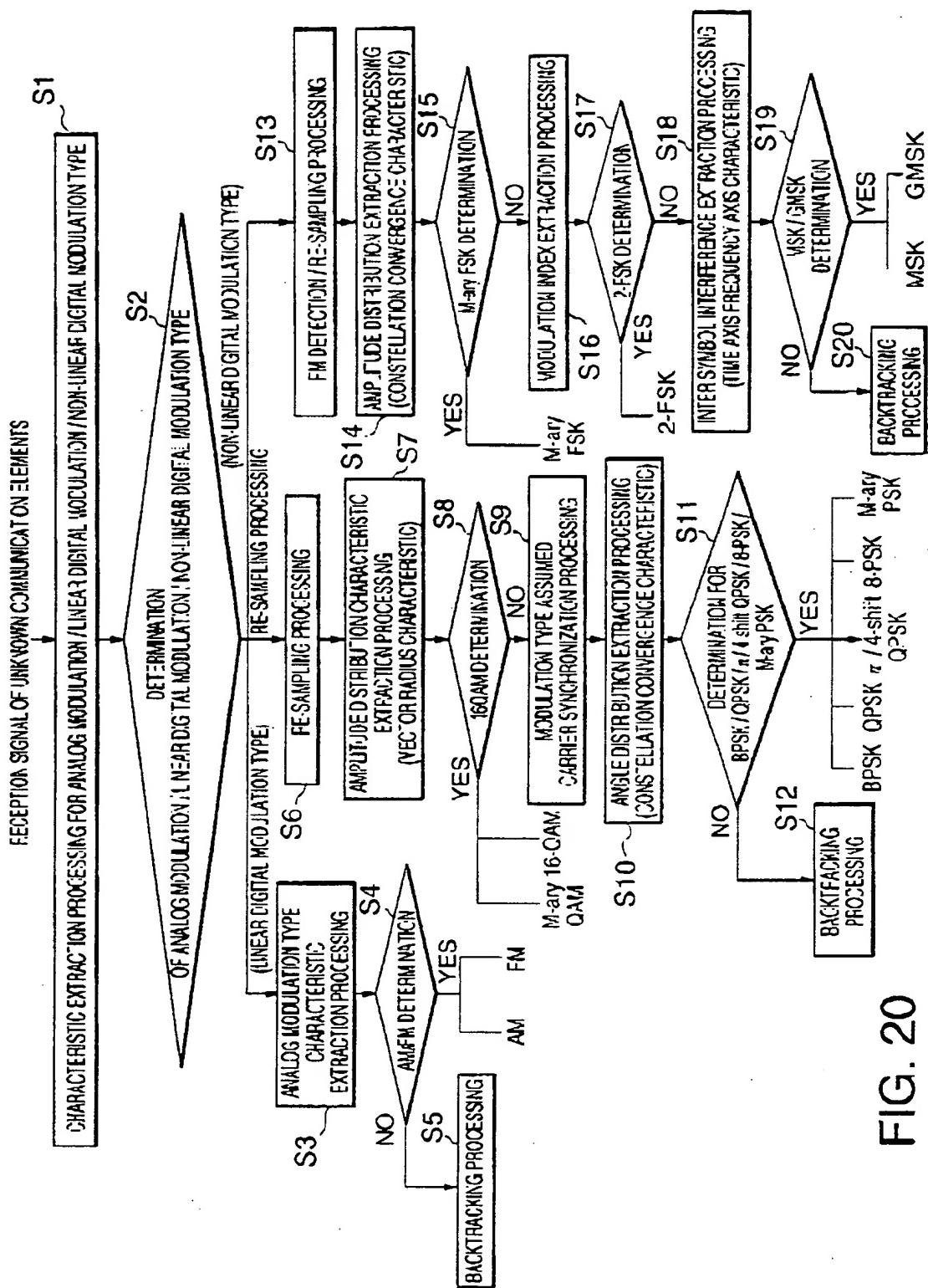


FIG. 20

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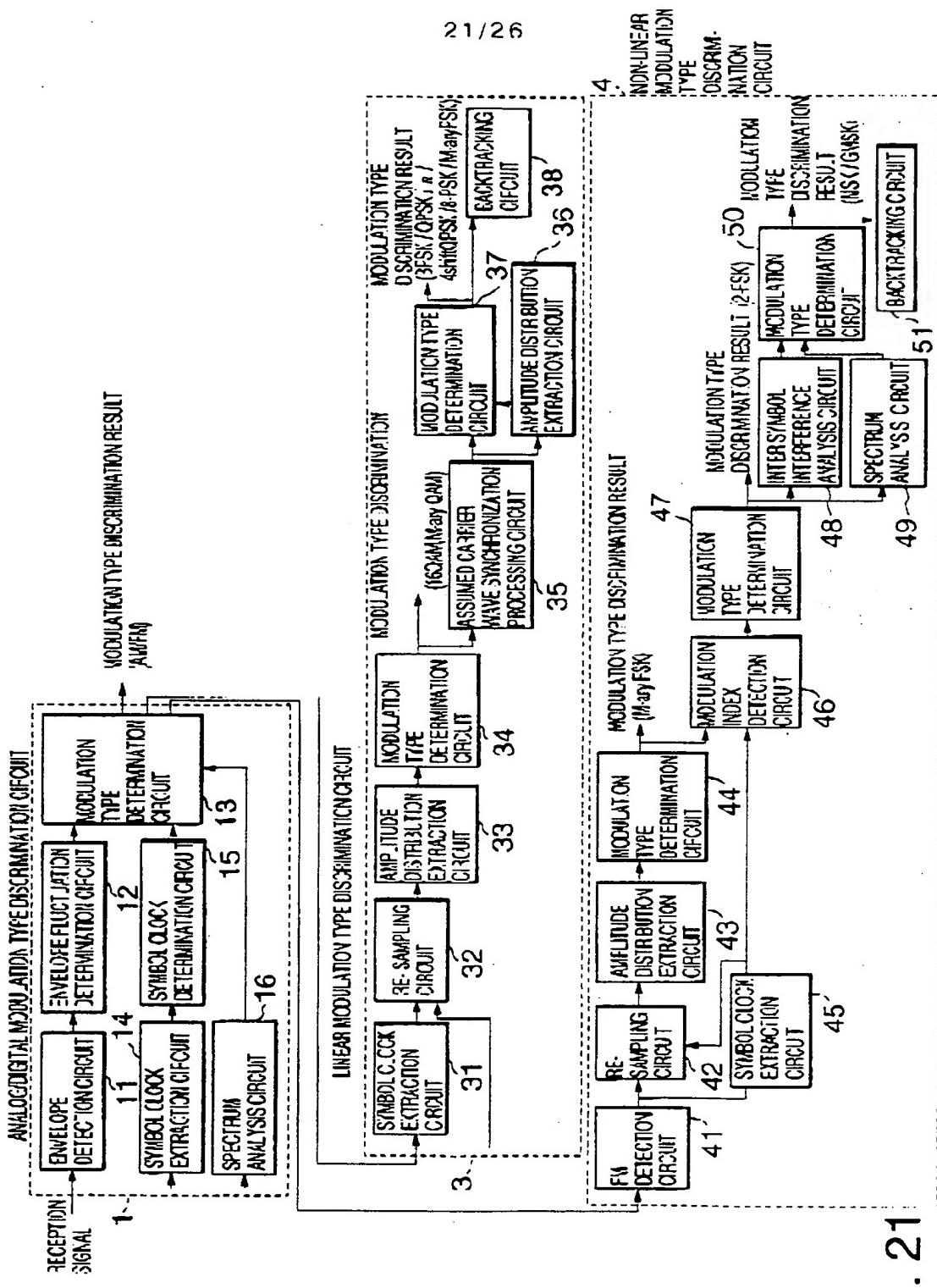


FIG. 21

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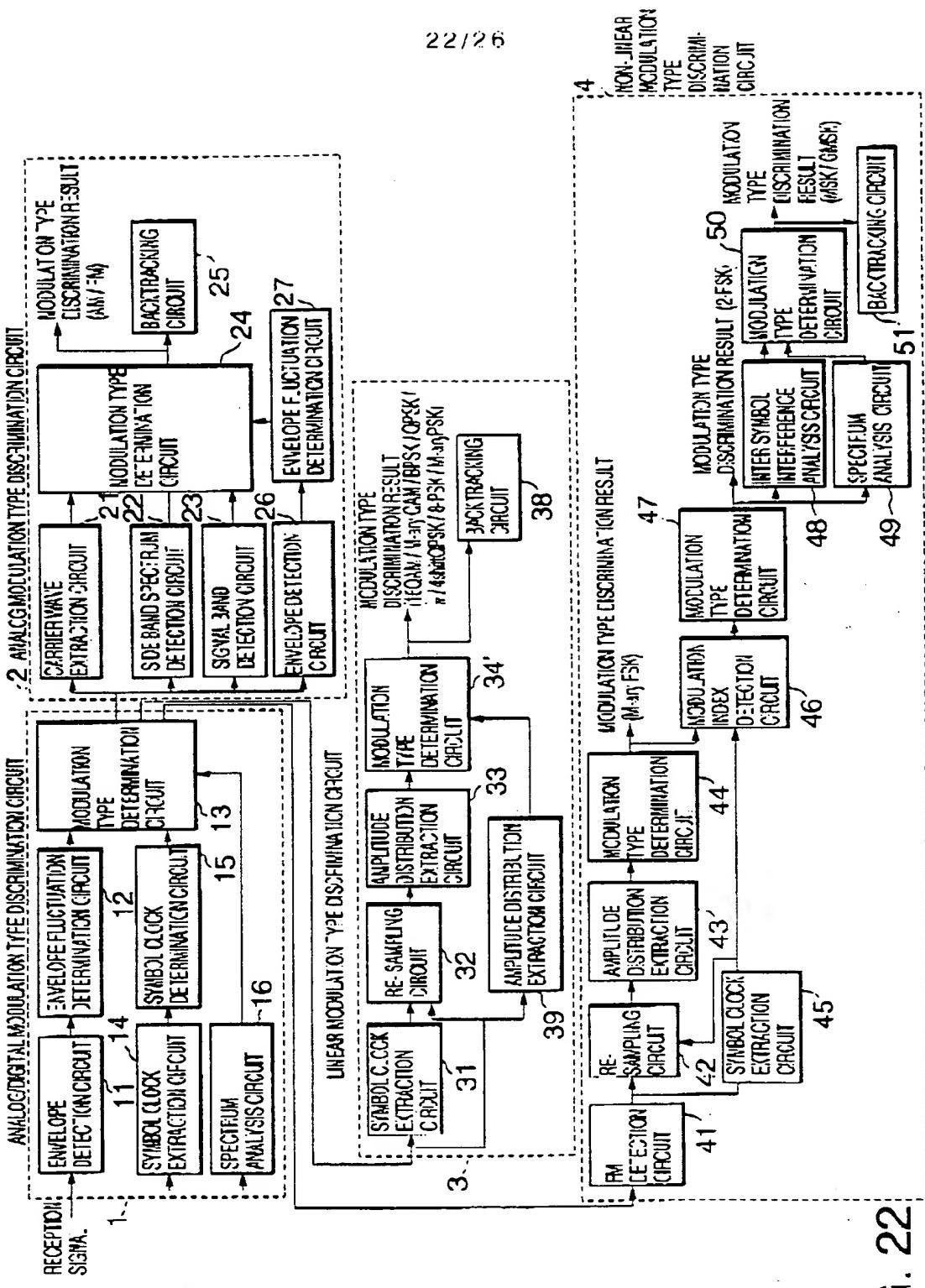


FIG. 22

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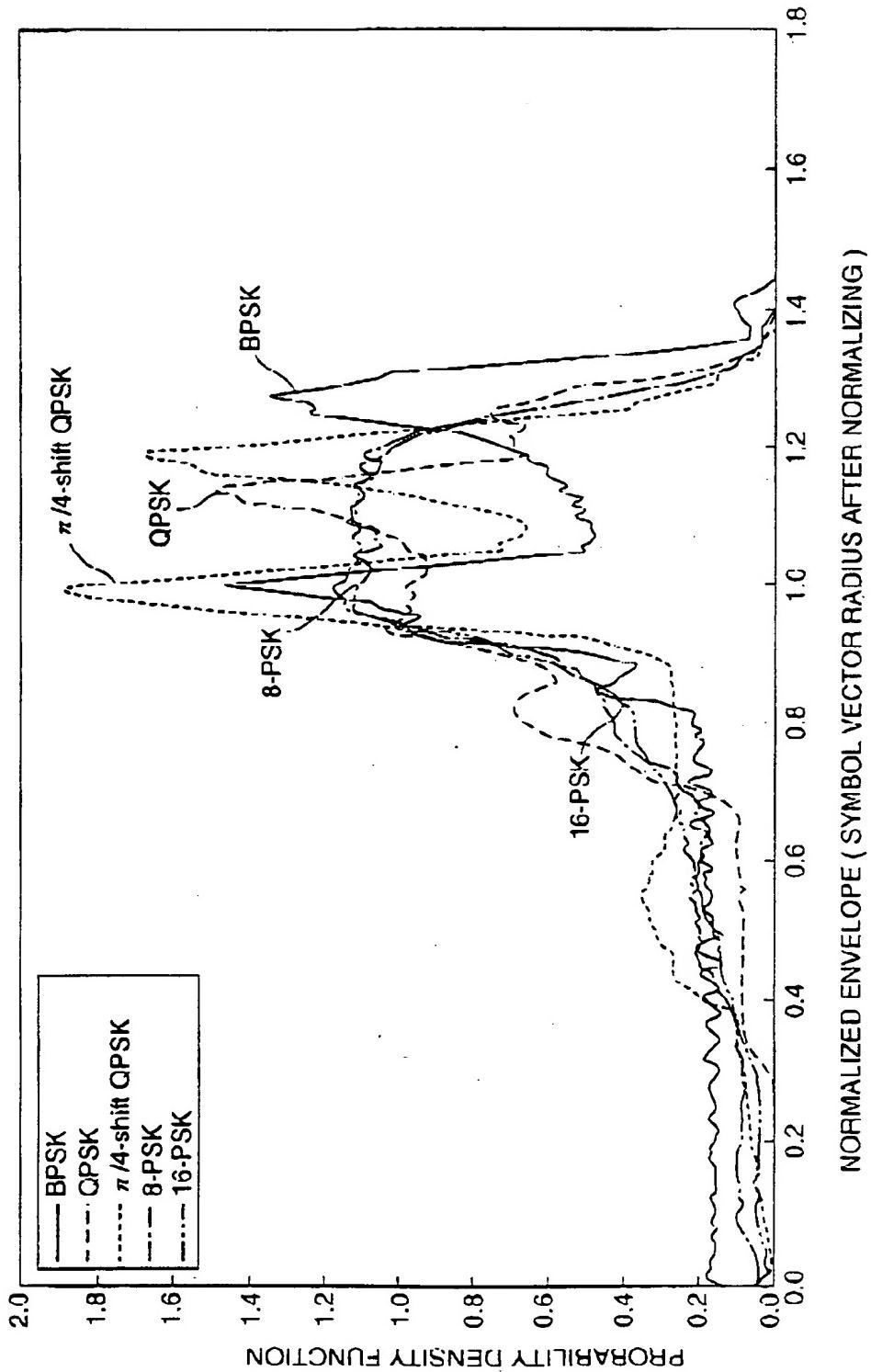


FIG. 23

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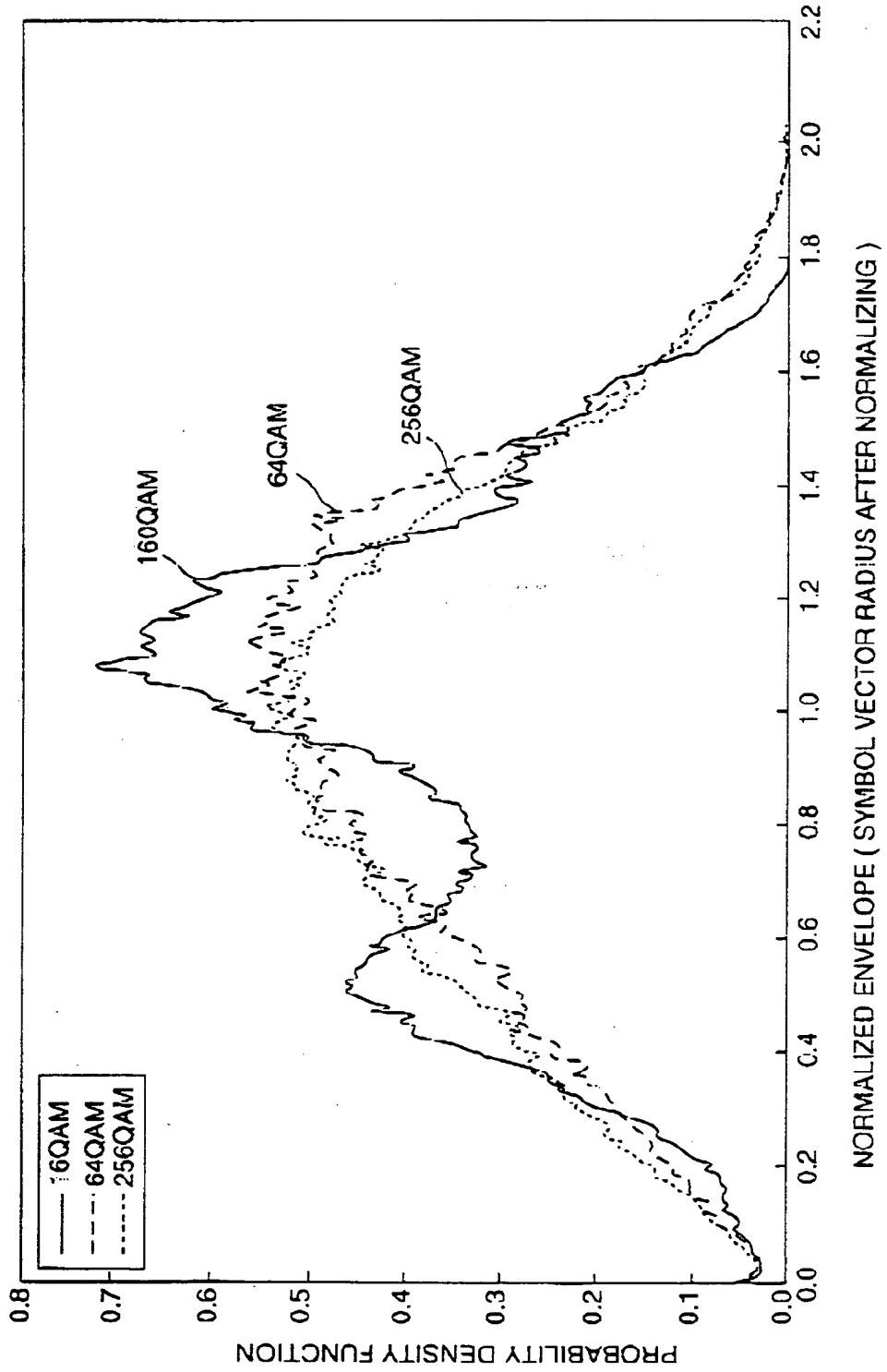


FIG. 24

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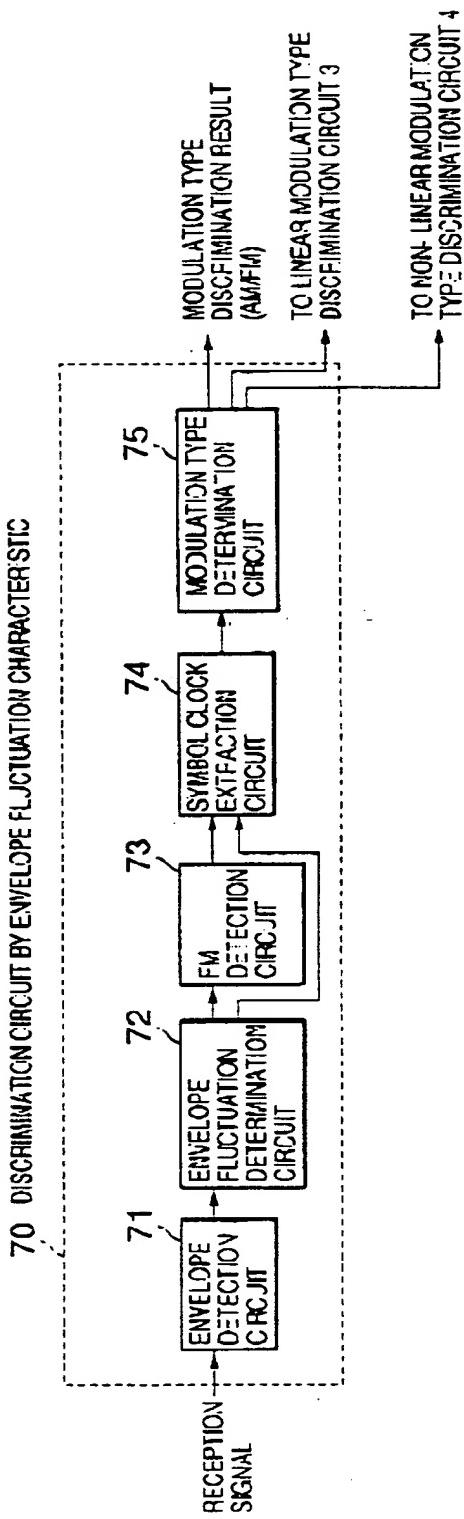


FIG. 25

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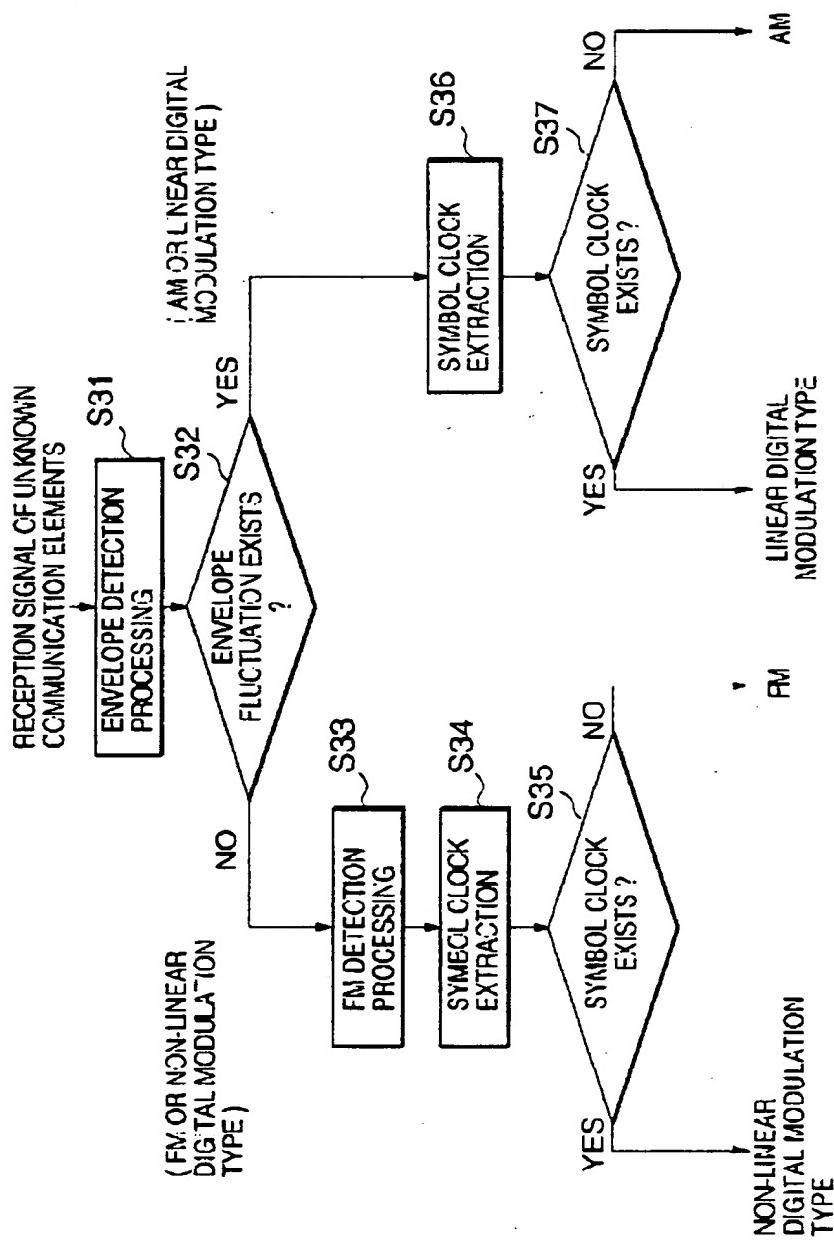


FIG. 26